

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

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COUNTRY Austria REPORT NO. SUBJECT Production Plan of the Schwechat Refinery DATE DISTR.
for the Second Quarter of 1953 4 June 1953

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The following is the production plan of the Schwechat Refinery of the Soviet Oil Administration (SMV) for the second quarter of 1953. All figures are in metric tons.

To be Processed	April	May	June	Total
Crude petroleum	3,725	8,515	9,045	21,285
Crude oil (Aderklaa)	32,500	33,400	27,300	93,200
Crude oil (Matzen)	<u>6,000</u>	<u>6,000</u>	<u>6,000</u>	<u>18,000</u>
	42,225	47,915	42,345	132,485

Products

Gasoline	7,954	8,458	7,013	23,425
Cracked gasoline	2,121	2,610	2,691	7,422
Kerosene	7,761	8,506	7,419	23,686
Diesel Fuel	12,013	13,373	11,688	37,074
Distilled machine oil (I)	82	83	83	248
Refined machine oil (II)	361	361	261	983
Cylinder oil	112	114	112	338
Motor oil	239	239	440	918
Distilled spindle oil	206	253	221	680
Bitumen	737	752	736	2,225
Marketable mazout	5,737	7,503	6,439	19,679
Fuel oil	3,260	3,710	3,278	10,248
Gas	855	1,055	1,090	3,000
Waste	<u>787</u>	<u>898</u>	<u>874</u>	<u>2,559</u>
	42,225	47,915	42,345	132,485

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Schwechat Refinery Processing Plan, Second Quarter 1953

Atmospheric and Vacuum Plant (Atmospheric Section)

To be Processed: 85 days, 900 tons/day = 76,500 tons

		<u>April</u> (30)	<u>May</u> (31)	<u>June</u> (24)
Crude oil Aderklaa	76,500 100%	27,000	27,900	21,600
<u>Yield</u>				
Gasoline	18,360 24%	6,480	6,696	5,184
Kerosene	14,535 19%	5,130	5,301	4,104
Diesel fuel	<u>22,185 29%</u>	<u>7,830</u>	<u>8,091</u>	<u>6,264</u>
	55,080 72%	19,440	20,088	15,552
Mazout	20,655 27%	7,290	7,533	5,832
Waste	<u>765 1%</u>	<u>270</u>	<u>279</u>	<u>216</u>
	76,500 100%	27,000	27,900	21,600

Consumption:

Fuel oil - 28 kg/ton Water - 3.5 cu. m./ton

Steam - 90 kg/ton Current - 1.0 kW

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Schwechat Refinery Processing Plan, Second Quarter 1953
Atmospheric Distillation

To be Processed: Crude oil (Matzen) - 18,000
Crude oil (Aderklaa) - 16,700
34,700 86 days, 413.5 tons/day

		April (30)	May (31)	June (25)
Crude oil (Matzen)	18,000	6,000	6,000	6,000

Yield: a) Crude oil

Gasoline	720	4%	240	240	240
Kerosene	2,880	16%	960	960	960
Diesel Fuel	3,780	21%	1,260	1,260	1,260
	7,380	41%	2,460	2,460	2,460
Mazout	10,440	58%	3,480	3,480	3,480
Waste	180	1%	60	60	60
	18,000	100%	6,000	6,000	6,000
Crude oil (Aderklaa)	16,700	100%	5,500	5,500	5,700

Yield: b) Crude oil

Gasoline	3,068	18.4%	1,011	1,011	1,046
Kerosene	3,730	22.4%	1,288	1,228	1,274
Diesel Fuel	4,870	29.2%	1,604	1,604	1,662
	11,668	70.0%	3,843	3,843	3,982
Mazout	4,865	29.0%	1,602	1,602	1,661
Waste	167	1.0%	55	55	57
	16,700	100%	5,500	5,500	5,700

Consumption: Fuel oil - 45kg/ton

Steam - 300 kg/ton

Water - 60 cu. m./ton

Current - 0.8 kW

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Schwechat Refinery Processing Plan, Second Quarter 1953

Cracking Plant (Kerosene)

To be Processed: 40 days, 532 tons/day = 21,285

		April (19)		May (26)		June (27)
Crude petroleum	21,285 100%	3,725	100%	8,515	100%	9,045 100%

Yield

Gasoline	1,277 6%	223 6%	511 6%	543 6%
Kerosene	2,554 12%	447 12%	1,022 12%	1,085 12%
Diesel fuel	<u>4,342 20.4%</u>	<u>760 20.4%</u>	<u>1,737 20.4%</u>	<u>1,845 20.4%</u>
	8,173 38.4%	1,430 38.4%	3,270 38.4%	3,473 38.4%
Mazout	12,899 60.6%	2,258 60.6%	5,160 60.6%	5,481 60.6%
Waste	<u>213 1.0%</u>	<u>37 1.0%</u>	<u>85 1.0%</u>	<u>91 1.0%</u>
	21,285 100%	3,725 100%	8,515 100%	9,045 100%

Consumption:

Fuel oil - 57 kg/ton Water - 6.0 cu. m./ton

Steam - 420 kg/ton Current - 2.0 kW

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Schwechat Refinery Processing Plan, Second Quarter 1953

Cracking Plant (Spaltseite)

To be Processed: 72 days, 400 tons/day = 28,740

40 days, 325 tons/day	12,899	April (19)	May (26)	June (27)
32 days, 500 tons/day	<u>15,841</u> 28,740	100%	8,210	10,210 10,420

Yield:

Cracked gasoline	8,910	31%	2,545	3,134	3,231
Residue (Spalt- rueckstand)	16,543	57.5%	4,727	5,819	5,997
Gas	3,000	10.5%	855	1,055	1,090
Waste	<u>287</u>	1.0%	<u>83</u>	<u>102</u>	<u>102</u>
	28,740	100%	8,210	10,110	10,420

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Schwechat Refinery Processing Plan, Second Quarter 1953

Fuel Refining (Treibstoffraffination)

To be Processed: 72 days, 155 tons/day = 8,910

	April (19)	May (26)	June (27)
Cracked gasoline (crude)	8,910 100%	2,545	3,134
			3,231

Yield:

Cracked gasoline (refined)	8,731 98%	2,494	3,071	3,166
Waste	<u>179</u> <u>2%</u>	<u>51</u>	<u>63</u>	<u>65</u>
	8,910 100%	2,545	3,134	3,231

Consumption: Steam - 130 kg/ton

Water - 1.0 cu. m./ton

Current - 10.0 kW

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Schwechat Refinery Processing Plan, Second Quarter 1953

Re-run Distillation

To be Processed: 72 days, 121.3 tons/day = 8,731

	April (19)	May (26)	June (27)
Cracked gasoline (refined)	8,731 100%	2,494	3,071
			3,166

Yield:

Cracked gasoline	7,422	85%	2,121	2,610	2,691
Residue	1,135	13%	324	399	412
Waste	<u>174</u>	<u>2%</u>	<u>49</u>	<u>62</u>	<u>63</u>
	8,731	100%	2,494	3,071	3,166

Consumption: Steam - 550 kg/ton

Water - 8.0 cu. m./ton

Current - 3.5 kW

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Schwechat Refinery Processing Plan, Second Quarter 1953 - Vacuum Plant

To be Processed: 84 days, 125 tons/day = 10,500

			April (26)	May (31)	June (27)
Mazout	10,500	100%	3,250	3,875	3,375
<u>Yield:</u>					
Diesel fuel	800	7.7%	248	295	257
Spindle oil	688	6.5%	212	255	221
Distilled machine oil (I)	3,150	30.0%	975	1,162	1,013
Distilled machine oil (II)	1,785	17.0%	653	659	573
Cylinder oil	525	5.0%	163	194	168
Bitumen	3,383	32.2%	946	1,249	1,088
Waste	<u>169</u>	<u>1.6%</u>	<u>53</u>	<u>61</u>	<u>55</u>
	10,500	100%	3,250	3,875	3,375

Consumption: Fuel oil - 23 kg/ton

Steam - 410 kg/ton

Current - 0.5 kW

Water - 11 cu. m./ton

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Schwechat Refinery Processing Plan, Second Quarter 1953
 Lubricants (Schmieroel) Refining

To be Processed:

			April	May	June
Distilled Machine oil (I)	1,090	100%	400	400	290

Yield:

Refined machine oil (I)	983	90%	361	361	261
Waste	<u>107</u>	<u>10%</u>	<u>39</u>	<u>39</u>	<u>29</u>
	1,090	100%	400	400	290

To be Processed:

Distilled Machine oil (II)	1,150	100%	300	300	550
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Yield:

Motor oil	918	80%	239	239	440
Waste	<u>232</u>	<u>20%</u>	<u>61</u>	<u>61</u>	<u>110</u>
	1,150	100%	300	300	550

Consumption: Steam - 2,500 kg/ton

Water - 7 cu. m./ton

Current - 90 kW

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Schwechat Refinery Processing Plant, Second Quarter 1953
Asphalt Oxidation

To Be Processed: 85 days, 28 tons/day = 2,367

		April (28)	May (29)	June (28)
Bitumen 30-40	2,367	100%	784	800
<u>Yield:</u>				
Bitumen	2,225	94%	737	752
Asphalt distillate	107	4.5%	35	36
Waste	<u>35</u>	<u>1.5%</u>	<u>12</u>	<u>12</u>
	2,367	100%	784	800
				783

Consumption: Steam - 2,500 kg/ton

Water - 7 cu. m./ton

Current - 90 kW

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